### COMMERCIAL STANDARD CS212-57

# **Steel Sliding Closet Door and Frame Units**

tions of the decidence of the property

A recorded voluntary standard of the trade published by the U.S. Department of Commerce

For sale by the Superintendent of Documents
U. S. Government Printing Office, Washington 25, D. C. Price 10 cents

COMMERCIAL STARBARD CS212-57

### U. S. DEPARTMENT OF COMMERCE

SINCLAIR WEEKS, Secretary

Issued by

Office of Technical Services

Commodity Standards Division

With the cooperation of NATIONAL BUREAU OF STANDARDS

### COMMERCIAL STANDARDS

Commercial Standards are developed by manufacturers, distributors, and users in cooperation with the Commodity Standards Division of the Office of Technical Services, and with the National Bureau of Standards. Their purpose is to establish standard methods of test, rating, certification, and labeling of manufactured commodities, and to provide uniform bases for fair competition.

The adoption and use of a Commercial Standard is voluntary. However, when reference to a Commercial Standard is made in contracts, labels, invoices, or advertising literature, the provisions of the standard are enforcible through usual legal channels as a part of the sales contract.

Commercial Standards originate with the proponent industry. The sponsors may be manufacturers, distributors, or users of the specific product. One of these three elements of industry submits to the Commodity Standards Division the necessary data to be used as the basis for developing a standard of practice. The Division by means of assembled conferences or letter referenda, or both, assists the sponsor group in arriving at a tentative standard of practice and thereafter refers it to the other elements of the same industry for approval or for constructive criticism that will be helpful in making any necessary adjustments. The regular procedure of the Division assures continuous servicing of each Commercial Standard through review and revision whenever, in the opinion of the industry, changing conditions warrant such action.

#### SIMPLIFIED PRACTICE RECOMMENDATIONS

Under a similar procedure the Commodity Standards Division cooperates with industries in the establishment of Simplified Practice Recommendations. Their purpose is to eliminate avoidable waste through the establishment of standards of practice for sizes, dimensions, varieties, or other characteristics of specific products; to simplify packaging practices; and to establish simplified methods of performing specific tasks.

U. S. Government Printing tellice, Weshington 25, C. L. Pitce 16 cents

## Steel Sliding Closet Door and Frame Units

dishiako pishisina si ayaya [Effective August 15, 1957]

### POSTE BELLEGIO DEL TONO 1. PURPOSE LES BORA DE BLADAS - Il El Il LA

1.1 The purpose of this Commercial Standard is to establish standard sizes and construction requirements for steel sliding closet door and frame units, of the floor track or top-hung type, for the guidance of producers, distributors, architects, builders, and the public; to provide the building industry with standard steel sliding door and frame units; to avoid delays and misunderstandings; and to effect economies from the producer to the ultimate user through a wider utilization of these units.

# production dies problems sometime to betation problems to betation

2.1 This standard provides minimum requirements for steel sliding closet door and frame units, consisting of two panels of a bypassing type, where one panel disappears behind the other in operation, and where both panels are supported either by rollers on a floor track, or by rollers on an overhead track. The units are to be considered as manufacturers' stock items not subject to variation and are intended for use in interior applications where low-cost doors are normally required. The standard covers kind and thickness of material, sizes and types of panels and frames, general requirements, and labeling.

2.2 The standard covers the furnishing of doors and frames but

does not include requirements for their erection.

2.3 It is believed that manufacturers' published details and this standard will provide all the essential information, and that approval drawings will not be required for these stock items.

### 3. MATERIAL

3.1 Steel shall be cold-rolled or hot-rolled, pickled and oiled, in the minimum United States standard gages (with decimal equivalents) given in table 1. Translated by Yulamen Table 1. Steel gages

Prepare Armero Item) beautyong Alex	Gage	Equivalent thickness
Frames Door panels Jamb and head members Track	No. 18 20 24 22	Inch 0. 0478 . 0359 . 0239 . 0299

### and brakened leister 4. DIMENSIONS

4.1 Method of measuring.

4.1.1 Width shall be measured from inside to inside of frame jamb rabbets. The width shall be 36 inches for a 3-foot opening, 48 inches for a 4-foot opening, etc.

4.1.2 Height shall be taken from the lower end of the jamb to the underside of the head on the frame. The height shall be 80 inches for a 6-foot 8-inch frame.

4.1.3 Panel width shall be such as to provide a nominal overlap

of 3/4 inch when door panel is closed.

4.2 Opening sizes.—Doors and frames furnished in accordance with this standard are available in the following opening sizes:

Nominal sizes	
The state $\frac{3'0''}{4'0''} \times \frac{6'8''}{8'8''}$ and $\frac{3'0''}{4'0''} \times \frac{6'8''}{8''}$	
activities are series activities (2,000 <b>=2,000</b> rock are to series are series) as	
I perducers, distributors, at ${f v.v.'8'}$ ${f x.v.'0'}$ iders, and the public ${f v.v.}$	
ose och han voole gedfille leete haldelige atter yrterlari gadblad och vis	11

### e a secular in the calle is a first and by TYPES and he a syntax blove of a lime

5.1 Panels may be of the flush or semiflush type.

5.2 Frames may be of the fully welded or knockdown type with corners either mitered or coped, in accordance with manufacturers' standards.

5.3 The design of frame members shall provide concealment for the

vertical edge of the panels when door panel is closed.

5.4 Double track shall be provided. This track may be an integral part of the frame or supplied as a separate component.

### 6. GENERAL REQUIREMENTS

6.1 All shapes shall be formed in accordance with manufacturers' standard contours.

6.2 Frame joints may be continuously welded or secured with spotor projection-welded splice plates, and all joints shall present a neat

appearance.

6.3 Knockdown frames shall have an interlocking joint to produce a square corner, securely locked in place during erection so as to maintain alinement of parts and provide functionally satisfactory operation of completed frames.

6.4 Units shall be furnished with at least two rubber or plastic maloul do

bumpers per vertical edge.

6.5 All doors and frames shall be neat in appearance and func-

tionally satisfactory.

6.6 Knockdown-type frames shall be shipped bundled. Fully assembled frames shall be banded together in pairs for support in shipment. Spreaders are not required.

6.7 Panels shall be fully prepared for necessary operating

hardware.

6.8 Frames shall be provided with anchors as required for the adjoining wall structure, which shall consist of three T-shaped adjustable anchors per jamb for masonry and three welded anchors per jamb for stud construction. The design of anchors shall be in accordance with manufacturers' standards, and they shall be of not less than 18-gage steel.

6.9 Frames for solid-plaster partitions with rock-lath or steel-lath cores shall be provided with three welded anchors per jamb, and a means of securing an adjustable-top strut for attaching to the ceiling during erection. Details of anchors and struts furnished with frame shall be in accordance with manufacturers' established standards, and the anchors and struts shall be of not less than 18-gage steel.

6.10 All frames shall be provided with a bottom anchor for fasten-

ing at the floor.

6.11 Panels shall be thoroughly cleaned and all visible surfaces finished with high-quality, baked-on primer.

6.12 Frames shall be thoroughly cleaned and shop-primed.

### isologico a shutbadi cati 47. HARDWAREDIN beweiver dien

7.1 Sheaves or rollers.—Each panel shall rest and roll on two sheaves or rollers of a design to fit the track and provide reasonable restraint against derailing.

7.2 Guides.—Each panel shall be provided with a guide or guides to provide lateral guiding for the panels and to restrain panels against

accidentally rising and disengaging the track.

THE PARTY OF EVENING

7.3 Finger pull.—Each panel shall have at least one finger pull of a recessed type to provide a satisfactory means of sliding the door.

### 8. LABELING

8.1. In order to assure the purchaser that he is getting a steel sliding closet door and frame unit of the quality specified, fabricators may individually or in concert with their trade associations issue certificates, or mark each sliding door unit by stamp or label as conforming to this standard. The following wording is recommended for the label:

This steel sliding closet door and frame unit conforms with all requirements of Commercial Standard CS212-57, as developed by the trade under the procedure of the Commodity Standards Division, and issued

by the U.S. Department of Commerce.

the committee or to the Commodit

(Name of fabricator)

### 9. STORAGE AND ERECTION

9.1 The following practices are recommended for the protection of all concerned:

9.1.1 Store panels and frames at the site on wood sills or on floors

in a manner that will prevent rust and damage.

9.1.2 Install frames plumb, rigid, and in true alinement, and fasten to retain position and clearances during construction of partitions. Masonry frames should be filled with mortar as the wall is laid up. Frames in solid-plaster walls should be completely filled with plaster.

10. EFFECTIVE DATE

10.1 Having met all procedural requirements of the Commodity Standards Division, including approval by the acceptors hereinafter listed, this Commercial Standard was issued by the United States Department of Commerce, effective from August 15, 1957.

> EDWIN W. ELY, Chief, Commodity Standards Division.

### HISTORY OF PROJECT

This standard was proposed by the Steel Door Institute, representing manufacturers of interior steel doors and frames. On July 7, 1954, the Institute requested the Commodity Standards Division, Office of Technical Services, to assist the industry in establishing a Commercial Standard for steel sliding closet door and frame units, and submitted specifications as a basis for the proposed standard.

On March 4, 1955, the Commodity Standards Division circulated the recommended standard to manufacturers, distributors, and users for

acceptance.

A number of comments and suggestions for changes were received, which were reviewed and considered by the Institute's technical committee, and discussed at their meetings. As a result some of the suggested changes were approved, after which copies of the standard with the changes indicated were submitted to the acceptors for

approval.

Firms and others interested submitted written acceptances, estimated to represent a satisfactory majority of the production volume and a sufficient cross section of the industry to insure successful application of the standard. Accordingly, the Commodity Standards Division announced on July 15, 1957, that the standard had been approved for promulgation as CS212-57, Steel Sliding Closet Door and Frame Units, and would be effective from August 15, 1957.

Project Manager: George E. Umhau, Commodity Standards Division, Office of Technical Services.

Technical Adviser: John L. Swinnerton, Plant Division, National Bureau of Standards.

### STANDING COMMITTEE

The following individuals comprise the membership of the standing committee, which is to review, prior to circulation for acceptance, revisions proposed to keep the standard abreast of progress. Comments concerning the standard and suggestions for revision may be addressed to any member of the committee or to the Commodity Standards Division, Office of Technical Services, U. S. Department of Commerce, which acts as secretary for the committee.

A. L. Munsell, Truscon Steel Division, Republic Steel Corp., 1315 Albert St., Youngstown 1, Ohio. (Acting Chairman.)
 E. J. Boughton, United Steel Fabricators, Inc., Wooster, Ohio.

W. F. Scorr, Virginia Metal Products Corp., Orange, Va.

Note.—The committee was in the process of formation when the standard was published. The above list gives only the names of those who accepted membership prior to printing. A complete list of the members will be available from the Commodity Standards Division.

with a third for the absorbed best build over the same retreated that

The figure of the summary of the following the figure of t

ant believen to

<sup>1</sup> See note on page 10.

### ACCEPTANCE OF COMMERCIAL STANDARD

If an acceptance has not previously been filed, this sheet properly filled in, signed, and returned will provide for the recording of your organization as an acceptor of this Commercial Standard.
a mij vankaline mparijenija koma mij masem Date
Commodity Standards Division Office of Technical Services U. S. Department of Commerce Washington 25, D. C.
Gentlemen:
We believe that Commercial Standard CS212-57 constitutes a useful standard of practice, and we individually plan to utilize it as far as practicable in the
production distribution purchase use 1
of steel sliding closet door and frame units. We reserve the right to depart from it as we deem advisable.
We understand, of course, that only those products which actually comply with the standard in all respects can be identified or labeled as conforming thereto.
Signature of authorized officer
(In ink)
(Kindly typewrite or print the following lines)
Name and title of above officer
Organization (Fill in exactly as it should be listed)
Street address

City, zone, and State\_\_\_\_\_

<sup>&#</sup>x27;I Underscore the one that applies. Please see that separate acceptances are filed for all subsidiary companies and affiliates which should be listed separately as acceptors. In the case of related interests, trade associations, trade papers, etc., desiring to record their general support, the words "General support" should be added after the signature.

#### TO THE ACCEPTOR

The following statements answer the usual questions arising in con-

nection with the acceptance and its significance:

1. Enforcement.—Commercial Standards are commodity specifications voluntarily established by mutual consent of those concerned. They present a common basis of understanding between the producer, distributor, and consumer and should not be confused with any plan of governmental regulation or control. The United States Department of Commerce has no regulatory power in the enforcement of their provisions, but since they represent the will of the interested groups as a whole, their provisions through usage soon become established as trade customs, and are made effective through incorporation into sales contracts by means of labels, invoices, and the like.

into sales contracts by means of labels, invoices, and the like.

2. The acceptor's responsibility.—The purpose of Commercial Standards is to establish, for specific commodities, nationally recognized grades or consumer criteria, and the benefits therefrom will be measurable in direct proportion to their general recognition and actual use. Instances will occur when it may be necessary to deviate from the standard and the signing of an acceptance does not preclude such departures; however, such signature indicates an intention to follow the standard, where practicable, in the production, distribu-

tion, or consumption of the article in question.

3. The Department's responsibility.—The major function performed by the Department of Commerce in the voluntary establishment of Commercial Standards on a nationwide basis is fourfold: first, to act as an unbiased coordinator to bring all interested parties together for the mutually satisfactory adjustment of trade standards; second, to supply such assistance and advice as past experience with similar programs may suggest; third, to canvass and record the extent of acceptance and adherence to the standard on the part of producers, distributors, and users; and fourth, after acceptance, to publish and promulgate the standard for the information and guidance of buyers and sellers of the commodity.

4. Announcement and promulgation.—When the standard has been endorsed by a satisfactory majority of production or consumption in the absence of active valid opposition, the success of the project is announced. If, however, in the opinion of the standing committee or of the Department of Commerce, the support of any standard is inadequate, the right is reserved to withhold promulgation and

publication.

### **ACCEPTORS**

The organizations listed below have individually accepted this standard for use as far as practicable in the production, distribution, purchase, or use of steel sliding closet door and frame units. In accepting this standard they reserved the right to depart from it as they individually deem advisable. It is expected that products which actually comply with the requirements of this standard in all respects will be regularly identified or labeled as conforming thereto, and that purchasers will require such specific evidence of conformity.

#### ASSOCIATIONS

(General Support) American Institute of Architects, New York Chapter, New York, N. Y. Steel Door Institute, Cleveland, Ohio.

FIRMS AND OTHER INTERESTS

Amarillo Hardware Co., Amarillo, Tex.
American Welding & Manufacturing Co.,
Warren, Ohio.
Brust & Brust, Milwaukee, Wis.
Ceco Steel Products Corp., Chicago, Ill.
Central of Georgia Railway Co., Savannah,
Ga Charlottesville Lumber Co., Charlottesville, Va.
Cohagen, Chandler C., Billings, Mont.
Conrad & Cummings, Binghamton, N. Y.
Crenshaw & Jost, Pekin, Ill.
Danser Hardware & Supply Co., Weston,
W. Va.
Detroit, City of, Office of City Engineer,
Detroit, Mich.
Eastman, A. Reyner, Rockford, Ill.
Flannagan, Eric G., & Son, Henderson,
N. C.

N. C.
Florida, University of, Department of Architecture, Board of Control, Gainesville, Fla. Geren, Preston M., Fort Worth, Tex. Getty, H. S., & Co., Inc., Philadelphia, Pa. Hager, C., & Sons Hinge Manufacturing Co., St. Louis, Mo.
Haralson & Mott, Fort Smith, Ark.
Hastings, A. W., & Co., Inc., Somerville, Mass.

Mass. Hirzel, Charles K., New York, N. Y. Kneeland-Bigelow Distributing Co., Bay City,

Mich.

Larson Hardware Co., Sioux Falls, S. Dak.
Latenser, John, & Sons, Omaha, Nebr.
Law, Law, Potter & Nystrom, Madison, Wis.
Makielski, Stanislaw, J., Charlottesville, Va.
Merritt Lumber Yards, Inc., Reading, Pa.
Morse Hardware Co., Bellingham, Wash.
Parshelsky Bros., Inc., Brooklyn, N. Y.
Post, Geo. B., & Sons, New York, N. Y.
Post Iron Works, Inc., Brooklyn, N. Y.
Post Iron Works, Inc., Brooklyn, N. Y.
Price, Beryl, Committee on Education &
Research, American Institute of Architects, Philadelphia, Pa.
Rockwell Bros. & Co., Houston, Tex.
Schaeffer & Wilson, Bloomington, Ill.
Shenk, Henry, Co., Erie, Pa.
Spicola Hardware Co., Tampa, Fla.
Spiegel, Inc., Chicago, Ill.
Standard Equipment Supply, Ltd., Windsor,
Ontario, Canada
Steelcraft Manufacturing Co., Rossmoyne
(Greater Cincinnati), Ohio
Stoetzel, Ralph, Chicago, Ill.
Thorne, Henry Calder, Ithaca, N. Y.
Truscon Steel Division, Republic Steel Corp.,
Youngstown, Ohio
United Steel Fabricators, Inc., Wooster, Ohio
Virginia Metal Products, Inc., Orange, Va.
Weirton Steel Co., Division of National Steel
Corp., Weirton, W. Va.
Welch, Carroll E., Huntington, N. Y.
Westcott & Mapes Inc., New Haven, Conn.
Willson, Fred F., Bozeman, Mont.
Wittenberg, Delony & Davidson, Little Rock,
Ark.
Wuehrmann, Wm. G., El Paso, Tex.

Wuehrmann, Wm. G., El Paso, Tex. Yale & Towne Manufacturing Co., Stamford, Conn. Zimmerman, A. C., Los Angeles, Calif.

Department of the Army, Washington, D. C.

### OTHER COMMERCIAL STANDARDS

A list of Commercial Standards may be obtained from the Commodity Standards Division, Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C. These publications may be purchased at the prices indicated on the list, which also includes directions for ordering copies.

### NOTE

The Commercial Standard set forth herein is one of three standards relating to steel doors proposed simultaneously by the Steel Door Institute. The other two have been issued separately by the United States Department of Commerce under the titles:

Commercial Standard CS211-57, Flush-Type Interior Steel Doors and Frames.

Commercial Standard CS213-57, Steel Knockdown Sliding Closet Door Units (for Wood Frame Installation).

## DEPARTMENT OF COMMERCE

National Bureau of Standards VOLUNTARY PRODUCT STANDARDS

#### Notice of Action on Proposed Withdrawal

In accordance with § 10.12 of the Department of Commerce Procedures for the Dvelopment of Voluntary Product Standards (15 CFR Part 10, as amended; 35 F.R. 8349 dated May 28, 1970), notice is hereby given of the withdrawal of 111 Voluntary Product Standards identified below, including 78 standards identified as "Simplified Practice Recommendations" (R), and 33 standards previously identified as "Commercial Standards" (CS). Each of these standards has been found to be obsolete, technically inade-quate, no longer acceptable to and used by the industry, or otherwise not in the public interest.

Public notice of the Department's intention to withdraw these standards was published in the FEDERAL REGISTER on February 10, 1971 (36 F.R. 2813), and a 45-day period was provided for the submission of comments or objections concerning the proposed withdrawal of any of these standards. No objections to the Department's intention of withdrawing any of these standards have been received by the National Bureau of Standards.

The effective date for the withdrawal of these standards will be 60 days after the publication of this notice. This withdrawal action terminates the authority to refer to these standards as Voluntary Product Standards developed under the

Dep	artment o	f Commerce Procedures.
R	4-36	Asphalt.
R	8-50	Ferrous range bollers, expan-
11.0		sion tanks, and solar tanks.
R	9-47	Galvanized woven-wire fenc-
		ing and barbed wire.
R	19-37	Ashestos paper and ashestos
		millboard.
R	21-46	Lavatory and sink traps.
R	23-54	Plow bolts.
		Steel reinforcing bars.
R	35-44	
R	38-37	Sand-lime brick.
R.	49-26	Sidewalk, floor, and roof
		lights.
R	59-27	Rotary-cut lumber stock for
77		wire-bound boxes.
R'	63-28	Metal spools (for annealing,
		handling and shipping
		wire).
R	65-31	Packaging of overhead elec-
		tric railway material.
R		Taper roller bearings.
R	68-41	Metal and nonconducting
		flashlight cases.
R		Packaging of razor blades.
R		Turnbuckles.
R	74-49	Hospital and institutional
		cotton textiles.
R		Composition blackboard.
R	80-28	Folding and portable wooden
		chairs.

82-28 ... Hollow metal single-acting

83-28 ... Kalamein single acting swing

92-38 ... Hard fiber twine and lath

89-55 ... Coated abrasive products.

trim.

88-37\_\_\_ Floor sweeps.

R

swing doors, frames and

doors, frames, and trim.

yarn (ply and yarn goods).

		Water Start	(
	02-20	Paper shipping tags.	
R	94-53	Open-web steel joists ar	hd
		open-web mailer stee	1
R	95-30	joists. Skid platforms.	
R	97-47		
R	101-40		ts
R	102-33	and showers. Granite curbstone.	
R	105-32-:-	Wheelbarrows.	
R	110-29	Glassine bags. Soft liber (jute) twine.	
R	112-29	Elastic shoe goring.	
R		Full-disk builing wheels.	
R	119-31	Fast-selvage terry towels. Wire insect-screen cloth.	
R	123-43		8.
R		Polished cotton twine.	
3	126-41	Set-up paper boxes (used a department and special	
		stores).	
R	127-41	Folding paper boxes (use	ed
		by department and spicialty stores).	
R	128-41	Corrugated fiber boxes (use	
		by department and ap- cialty stores),	e-
R	131-35	Glass containers for mayor	<b>n</b> -
		naise.	
R	138-32	Dontal rubber (base at vencoring).	1d
R	145-33	Packaging of electric rallw	ay
		motor and controller par	LS.
R	150-11		
R	158-42		4-6
72	159-12	Forged hammers.	
R	160-12		
15	161-35	Packaging of automoti (bus) engine parts.	VO :
R	166-37	Color code for marking ste	:01
	100 15	bars. Bolts and nuts (stock pr	0-
R	169-45	duction sizes).	
R	171-38	Wooden boxes for cann- fruits and vegetables.	ed
R	172-54		r-
	1777 43	ments and dry cleaning. Single-faced corrugated	1.
R	711-21	board rolls (used by d	0-
		partment and special	ty
-	100 41	stores). First-aid unit dressings at	nd
R		trastments (nackaging of	٢).
R	181-41	Nonferrous rance boliers.	
R	188-54	Spring and slotted clother pins (sizes and packaging	3).
R	189-42	Round and Hat narewo	ou
		toothpicks (sizes and pac- aging).	K-
R	19,6-42	Glass containers for gre	en.
R	100-43	clives. Cloth window shades.	
R	201-43	Iron and steel pop safe	ty
R	A Nature Barrier	valves. Tank-mounted air compre	
	A	sors (14 to 10 horsepower	r).
R	203-44	Containers and packages in household insecticides (1)	OL
3-0		uid spray type).	
R	204-44	Bronze pop safety valves, a	nd.
		bronze, iron and steel i	
. R	205-44	Iron and steel relief value	res
		for petroleum, chemic and general industrial ser	
	7	ices.	
R	209-45	Pennut butter packages a	nd
R	212-45	containers. Cast brass solder-joi	nt.
R		fittings. Luggage (trunks and su	
2 16		cases).	•
R	232-48	Automatic regulating valve Low-pressure lubricating of	ie-
		vices.	

R	233-48	Rotary files and burs. Welded-wire fabric rein-
R	2-10-52	forcement concrete pipe. Pia :tic tableware.
R	253-34	Retail container sizes for frozen fruits and vege- tables.
R CS	266-63 3-40	Gypsum beard products. Stoddard solvents (dry clean-
cs	7-20	ing). Standard weights malleable iron or steel screwed unions.
CS	19-32	Foundry patterns of wood. Cotton cloth for rubber and
CS	36-33	pyroxylin coating. Fourdrinier wire cloth.
CS	48-40	Domestic burners for Penn- sylvania anthracite (under-
-	200 II	fed type).
CS		Onk flooring (exports). Textiles-testing and report- ing.
cs		Colors for kitchen acces- sories.
CS		Colors for bathroom acces-
CS	C8-38	Liquid physchicrite disin- fectant, deciderant, and germicide.
cs	93-50	Portable electric drills (ex- clusive of high frequency).
CS	04-41	Calking lead.
CS		Lead pipe.
CS		Lead traps and bends.
CS	102E-42	Diesel and fuel-oil engines
cs	108-43	(export classifications). Treading automobile and truck tires.
cs	110-43	Tire repairs—vulcanized (passenger, truck, and bus
cs	112-43	tires). Homogeneous fiber wall- board.
CS	E124-15	Master disks.
CS	126-564	Tank-mounted air compres-
20		sors (classification and testing).
CS	139-47	Work gloves.
· CS	154E-49	
CS	164E-50	Concrete mixers (export classifications).
CS	170-50	Cotton flour-bag (sack)
CS	175-51	towels. Circular-knitted gloves and
cs	179-51	mittens. Instaliation of attic ventila-
cs	181-52	tion fans in residences. Water-resistant organic ad-
	D. DUCKE	hesives for installation of clay tile.
KS	212-57	Steel sliding closet door and frame units.
CS	213-57	Steel knockdown sliding closet door units (for wood
cs	221-59	frame installation). Gel-coated glass-fiber-rein- forced polyester resin bath-
cs	222-59	tubs. Gel-coated glass-fiber-rein- forced polyester resul
ĊŞ	229-60	shower receptors. Copper drainage tube (DWV).
		LEWIS M. BRANSCOMB,
	. Jan 180	Director.
	APRIL 15, 1	
	Approved:	April 19, 1971.
		. Wakelin, Jr.,
	Accieta	nt Secretory

Assistant Secretary

for Science and Technology.

[FR Doc.71-5674 Filed 4-22-71;8:47 am]